

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 8	
2. AMENDMENT/MODIFICATION NO. 15		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. 1300597625	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE N00014		7. ADMINISTERED BY (If other than Item 6) CODE N66020	
Office of Naval Research Mary Helen Dent, 703-254-7288 Email: mary.dent@navy.mil 875 North Randolph Street Arlington VA 22203		SCD- C ONR REG ADMIN ATLANTA ATLANTA REGION OFFICE 100 ALABAMA STREET SW SUITE 4R15 ATLANTA GA 30303-3104			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ADVANCED TECHNOLOGY INTERNATIONAL Attn: Chris Van Metre 315 Sigma Drive Summerville SC 29483		9A. AMENDMENT OF SOLICITATION NO. (x)  9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO. N00014-14-D-0377 0004 10B. DATED (SEE ITEM 13) 06/05/2015			
CODE 1G3V8		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$1.00  
1761319 W3MT 255 00014 0 050120 2D 000000 A00003618524

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Bilateral Modification IAW FAR 43.103(a) and FAR 52.243-2 Changes Cost Reimbursement Alt V

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

The purpose of this modification is to: 1) Expand Task Order 0004 to add project plan, "Digital Paint Tools and Process Optimization" dated 23 Aug 2016 and the associated cost budget also dated 23 Aug 2016; and 2) Provide an increment of funds in the amount of \$1 under N00014-14-D-0377-0004.

<b>SCOTT A SAVOIE</b> VICE PRESIDENT CORPORATE/CONTRACTS		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mary Helen Dent	
15A. NAME AND TITLE OF CONTRACTING OFFICER (b)(6)	15C. DATE SIGNED 1/24/2017	16B. UNITED STATES OF AMERICA (b)(6)	16C. DATE SIGNED 26 Jan 2017
		(Signature of Contracting Officer)	

## **Section B - Supplies or Services/Prices was revised as follows.**

1 - Supplies or Services/Prices was revised as follows.

### **Cost-Plus-Fixed-Fee CLINs/SLINs**

Item/Sub Number	Description	Obligated Amount	Estimated Cost	Fixed Fee	Estimated Cost and Fixed Fee
0001	Navy ManTech Naval Shipbuilding and Advanced Manufacturing Center of Excellence (NSAM COE) Projects. PSC AE33	\$0.00	\$13,644,514.00	\$136,444.00	\$13,780,958.00
000101	ACRN AA: \$500,000	\$500,000.00			
000102	ACRN AA: \$150,000	\$150,000.00			
000103	ACRN AB: \$1	\$1.00			
000104	ACRN AC: \$900,000	\$900,000.00			
000105	ACRN AD: \$100,000	\$100,000.00			
000106	ACRN AC: \$362,461	\$362,461.00			
000107	ACRN AC: \$325,531	\$325,531.00			
000108	ACRN AC: \$200,000	\$200,000.00			
000109	ACRN AE: \$200,000	\$200,000.00			
000110	ACRN AF: \$423,794	\$423,794.00			
000111	ACRN AC: \$200,000	\$200,000.00			
000112	ACRN AE: \$400,000	\$400,000.00			
000113	ACRN AD: \$200,000	\$200,000.00			
000114	ACRN AG: \$500,000	\$500,000.00			
000115	ACRN AH: \$191,206	\$191,206.00			
000116	ACRN AJ: \$595,347	\$595,347.00			
000117	ACRN: AF \$209,917	\$209,917.00			
000118	ACRN: AH \$125,000	\$125,000.00			
000119	ACRN AD: \$45,726	\$45,726.00			
000120	ACRN AK: \$500,000	\$500,000.00			
000121	ACRN AL: \$48,834	\$48,834.00			
000122	ACRN AM: \$1	\$1.00			
000123	ACRN AN: \$1,100,000	\$1,100,000.00			
000124	ACRN AP: \$1	\$1.00			
000125	ACRN AQ: \$1	\$1.00			
<b>Total Amount</b>					<b>\$13,780,958.00</b>

## **Section C - Description/Sepecifications was revised as follows.**

1 - Statement of Work was revised as follows.

Summary of Clause Changes:

Clause 0095 is incorporated as follows:

*ONR 0095 Statement of Work- Task Order*

The research effort to be performed hereunder shall be subject to the requirements and standards contained in Exhibit A of the basic contract and the following paragraph.

The Contractor shall conduct the research effort under CLIN(s) 0001 in accordance with the individual project plans submitted by the

contractor.

Project 1 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "High Deposition Submerged Arc Welding," dated 3 Nov 2014 and the associated cost budget dated 28 Apr 2015 which are both hereby incorporated by reference.

Project 2 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Primer Thickness Measurement for Seam Validation and Supply Base Quality," dated 11 Feb 2015 (and thereafter revised on 14 Apr 2016) and the associated cost budget (revised) dated 5 Aug 2015 which are both hereby incorporated by reference.

Project 3 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Critical Resource Planning," dated 23 Jun 2015 and the associated cost budget (revised) dated 26 Aug 2015 which are both hereby incorporated by reference.

Project 4- The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Non-Contact Metrology," dated 29 Oct 2015 and the associated cost budget also dated 29 Oct 2015 which are both hereby incorporated by reference.

Project 5 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Optimized Lifting and Handling," dated 13 Aug 2015 and the associated cost budget dated 22 Jan 2016 which are both hereby incorporated by reference.

Project 6 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Mobile Computing Design Build Process," dated 10 Nov 2015 and the associated cost budget also dated 10 Nov 2015 which are both hereby incorporated by reference.

Project 7 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "F35 Assembly Metadata Integration" dated 22 Jul 2015 and the associated cost budget (revised) 25 Mar 2016 which are both hereby incorporated by reference.

Project 8 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Resource Availability" as a result of the Government's acceptance of the proposal dated 15 Dec 2016 and the associated cost budget (revised) 7 Apr 2016 which are both hereby incorporated by reference.

Project 9 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Induction Straightening" as a result of the Government's acceptance of the proposal dated 23 Nov 2015 and the associated cost budget (revised) 01 Jun 2016 which are both hereby incorporated by reference.

Project 10 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Enhanced Task Assignment and Progressing" as a result of the Government's acceptance of the proposal dated 18 Dec 2015 and the associated cost budget (revised) 2 Jun 2016 which are both hereby incorporated by reference.

Project 11 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Electronic Weld Record System" as a result of the Government's acceptance of the proposal dated 30 Jun 2016 and the associated cost budget (revised) 26 Oct 2016 which are both hereby incorporated by reference.

Project 12 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Hybrid Laser Arc Welding (HLAW)" as a result of the Government's acceptance of the proposal dated 19 Aug 2016 and the associated cost budget (negotiated) 9 Dec 2016 which are both hereby incorporated by reference.

Project 13 - The Contractor shall use its best efforts to perform the tasks and complete the deliveries identified in the Project Plan titled, "Digital Paint Tools and Process Optimization" dated 23 Aug 2016 and the associated cost budget also dated 23 Aug 2016 are both hereby incorporated by reference.

The following clauses are no longer incorporated.

ONR 0095\* Statement of Work- Task Order Continued

## **Section G - Contract Administration Data was revised as follows.**

1 - Financial Accounting Data was revised as follows.

ACRN	List of Item/Sub Number (LI#)	Line of Accounting (LOA)	Obligated Amount - This Action	Obligated Amount-ACRN Total
AA	000101, 000102	1751319-W7KS-255-RA-G1G-0-068342-2D-01050-000-ATC0	\$0.00	\$650,000.00
AB	000103	1751319-W7KS-255-RA-G1G-0-068342-2D-01050-000-MST0	\$0.00	\$1.00
AC	000104, 000106, 000107, 000108, 000111	1761319 W3MT 255 00014 0 050120 2D 000000 A00003162376	\$0.00	\$1,987,992.00
AD	000105, 000113, 000119	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239300	\$0.00	\$345,726.00
AE	000109, 000112	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239044	\$0.00	\$600,000.00
AF	000110, 000117	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239042	\$0.00	\$633,711.00
AG	000114	1761319 W3MT 255 00014 0 050120 2D 000000 A00003360585	\$0.00	\$500,000.00
AH	000115, 000118	1761319 W3MT 255 00014 0 050120 2D 000000 A00003257913	\$0.00	\$316,206.00
AJ	000116	1761319 W3MT 255 00014 0 050120 2D 000000 A00003239450	\$0.00	\$595,347.00
AK	000120	1761319 W3MT 255 00014 0 050120 2D 000000 A10003239300	\$0.00	\$500,000.00
AL	000121	1751319 W7KS 255 00014 0 050120 2D 000000 A00003566371	\$0.00	\$48,834.00
AM	000122	1761319 W3MT 255 00014 0 050120 2D 000000 A00003539657	\$0.00	\$1.00
AN	000123	1771319 W3MT 255 00014 0 050120 2D 000000 A10003566371	\$0.00	\$1,100,000.00
AP	000124	1761319 W3MT 255 00014 0 050120 2D 000000 A00003618300	\$0.00	\$1.00
AQ	000125	1761319 W3MT 255 00014 0 050120 2D 000000 A00003618524	\$1.00	\$1.00
<b>Total Award Obligated Amount</b>				<b>\$7,277,820.00</b>

Clause ONR 0058 is incorporated as follows:

### *ONR 0058 Allotment of Funds*

(a) It is hereby understood and agreed that this contract will not exceed a total amount of \$13,780,958 including an estimated cost of \$13,644,514 and a fixed fee of \$136,444.

(b) CLIN 0001 will not exceed a total amount of \$13,780,958 including an estimated cost of \$13,644,514 and a fixed fee of \$136,444. The total amount presently available for payment and allotted to CLIN 0001 of this contract is \$7,277,820 including an estimated cost of \$7,205,763 and a fixed fee of \$72,057. It is estimated that the amount allotted of \$7,277,820 will cover the period from date of award through 30 Mar 2017.

Clause 252.204-0012 is incorporated as follows:

*PGI\* 252.204-0012 PGI: Contract-wide: Other*

These instructions are provided for the Contract Payment Office (DFAS Columbus) only, and are not contractor instructions.

None of the standard payment instructions identified above are appropriate, the contracting officer may insert other payment instructions, if they provide a significantly better reflection of how funds will be expended in support of contract performance; and are agreed to by the payment office and the contract administration office.

This applies to CLIN(s) and/or SLIN(s) 0001, 000101, 000102, 000103, 000104, 000105, 000106, 000107, 000108, 000109, 000110, 000111, 000112, 000113, 000114, 000115, 000116, 000117, 000118, 000119, 000120, 000121, 000122, 000123, 000124, and 000125.

## **Section H - Special Contract Requirements was revised as follows.**

I - Special Contract Requirements was revised as follows.

Summary of Clause Changes:

Clause 0070 is incorporated as follows:

*ONR 0070 Consent to Subcontract and/or Hire Consultants*

The services of the following subcontractors and/or consultants have been identified as necessary for the performance of this contract:

Project Number: I

Project Title: ManTech Project, "High Deposition Submerged Arc Welding"

Subcontractors: Edison Welding Institute (EWI) and Huntington Ingalls Newport News Shipbuilding

1) Edison Welding Institute (EWI)

Estimated Cost: \$353,049

Fixed Fee: \$24,713

Total Cost Plus Fixed Fee: \$377,762

2) Huntington Ingalls Newport News Shipbuilding

Estimated Cost: \$864,505

Fixed Fee: \$60,160

Total Cost Plus Fixed Fee: \$924,665

Project Number: 2

Project Title: ManTech Project, "Primer Thickness Measurement for Seam Validation and Supply Base Quality"

Subcontractor: Lockheed Martin

1) Lockheed Martin

Estimated Cost: \$305,068

Fixed Fee: \$23,361

Total Cost Plus Fixed Fee: \$328,429

Project Number: 3

**Project Title: ManTech Project, "Critical Resource Planning"**

**Subcontractor: General Dynamics - Electric Boat**

**1) General Dynamics - Electric Boat**

**Estimated Cost: \$472,971**

**Fixed Fee: \$32,882**

**Total Cost Plus Fixed Fee: \$505,853**

**Project Number: 4**

**Project Title: ManTech Project, "Non-Contact Metrology"**

**Subcontractor: Huntington Ingalls Newport News Shipbuilding**

**1) Huntington Ingalls Newport News Shipbuilding**

**Estimated Cost: \$367,382**

**Fixed Fee: \$25,655**

**Total Cost Plus Fixed Fee: \$393,037**

**Project Number: 5**

**Project Title: ManTech Project, "Optimized Lifting and Handling"**

**Subcontractor: Huntington Ingalls – Ingalls Shipbuilding**

**1) Huntington Ingalls – Ingalls Shipbuilding**

**Estimated Cost: \$720,303**

**Fixed Fee: \$50,386**

**Total Cost Plus Fixed Fee: \$770,689**

**Project Number: 6**

**Project Title: ManTech Project, "Mobile Computing Design Build Process"**

**Subcontractor: General Dynamics – Electric Boat**

**1) General Dynamics – Electric Boat**

**Estimated Cost: \$879,388**

**Fixed Fee: \$61,341**

**Total Cost Plus Fixed Fee: \$940,729**

**Project Number: 7**

**Project Title: ManTech Project, "F35 Assembly Metadata Integration"**

**Subcontractor: Northrop Grumman**

**1) Northrop Grumman**

**Estimated Cost: \$1,739,311**

**Fixed Fee: \$121,475**

**Total Cost Plus Fixed Fee: \$1,860,786**

**Project Number: 8**

**Project Title: ManTech Project, "Resource Availability"**

**Subcontractor: Huntington Ingalls – Ingalls Shipbuilding**

**1) Huntington Ingalls – Ingalls Shipbuilding**

**Estimated Cost: \$1,003,443**

**Fixed Fee: \$70,163**

**Total Cost Plus Fixed Fee: \$1,073,606**

**Project Number: 9**

**Project Title: ManTech Project, "Induction Straightening"**

**Subcontractors: Huntington Ingalls – Newport News Shipbuilding and Edison Welding Institute**

**1) Huntington Ingalls – Newport News Shipbuilding**

**Estimated Cost: \$867,960**

**Fixed Fee: \$60,374**

**Total Cost Plus Fixed Fee: \$928,334**

**2) Edison Welding Institute**

**Estimated Cost: \$533,699**

**Fixed Fee: \$30,071**

**Total Cost Plus Fixed Fee: \$563,770**

**Project Number: 10**

**Project Title: ManTech Project, "Enhanced Task Assignment and Progressing"**

**Subcontractor: Huntington Ingalls – Ingalls Shipbuilding**

**1) Huntington Ingalls – Ingalls Shipbuilding**

**Estimated Cost: \$713,926**

**Fixed Fee: \$49,943**

**Total Cost Plus Fixed Fee: \$763,869**

**Project Number: 11**

**Project Title: ManTech Project "Electronic Weld Record System"**

**Subcontractor: Newport News Shipbuilding**

**Estimated Cost: \$865,027**

**Fixed Fee: \$64,694**

**Total Cost Plus Fixed Fee: \$929,721**

**Project Number: 12**

**Project Title: ManTech Project, Hybrid Laser Arc Welding (HLAW)**

**Subcontractors: Huntington Ingalls – Ingalls Shipbuilding and Edison Welding Institute**

**1) Huntington Ingalls – Ingalls Shipbuilding**

**Estimated Cost: \$699,974**

**Fixed Fee: \$48,735**

**Total Cost Plus Fixed Fee: \$748,709**

**2) Edison Welding Institute**

**Estimated Cost: \$1,394,244**

**Fixed Fee: \$91,302**

**Total Cost Plus Fixed Fee: \$1,485,546**

**Project Number: 13**

**Project Title: ManTech Project, Digital Paint Tools and Process Optimization**

**Subcontractors: Huntington Ingalls – Ingalls Shipbuilding**

**Estimated Cost: \$625,000**

**Fixed Fee: \$45,015**

**Total Cost Plus Fixed Fee: \$670,015**

The preceding listing of subcontracts were evaluated during negotiations as required by Paragraph (j) of the contract clause at FAR 52.244-2 entitled "Subcontracts" and therefore do not require consent in accordance with paragraphs (c) and (e) of the Subcontracts clause. This consent is based upon the information submitted by the prime contractor in accordance with FAR 52.244-2 (e) (1) (i) through (vii). For additional subcontracts beyond those listed above, the Contracting Officer's written consent to subcontract is only required in accordance with Paragraphs (b), (c), and (d) of FAR 52.244-2.

Except as modified herein, all other terms and conditions remain the same and unchanged under award number N00014-14-D-0377-0004.